MEETING ANNOUNCEMENT, JCG TC82/TC21/TC88

The first meeting of the IEC Joint Coordination Group, JCG TC82/TC21/TC88, *Decentralized Renewable Energy Systems* (DRES) will be held at the Golden Hotel (800 11th Street, Golden, Colorado 80401, USA) on Monday, January 29th, 2001 through Wednesday, January 31st, 2001. We will have 1/2 of the main Ball Room at this hotel for our meeting. The National Renewable Energy Laboratory, NREL will be our host and is providing a Continental breakfast and afternoon snack refreshments. The meeting is scheduled to run from 8:00 am each day until 5:00 pm.

I will be assisting with this first meeting in collaboration with the TC 82 Chairman and JCG Convenor, Mr. Richard DeBlasio. A detailed agenda will be issued later this month. Tentatively, it will begin with a joint JCG session for all participants. An overview of the updated version of PAS 62111 will be given by the Project Leader, Alain Schmitt of France. The PAS document is very large (approximately 30 major topics totaling over 600 pages) and the JCG must decide how this can best be broken into smaller pieces as requested by the IEC. The piece parts would still have a common, basic IEC number followed by a part number (for example, IEC 904-1, 904-2, 904-3 etc.). The agenda will address proposals for this break-up:

> The *technical portions* of the PAS comprise about 1/3 of the total page count, and the remaining 2/3 deals with *project management* topics. The technical portions will be the responsibility of the appropriate TC's (Technical Committees); the TC 88 wind energy portions of the PAS will be revised by the existing TC 88 organization, the TC 82 photovoltaic energy portion will be revised by the existing TC 82 working groups, and the battery portion revised by the existing TC 21 organization. A discussion of the best approach for these TC's to conduct this revision will also be decided. The technical sections could be very detailed, stand-alone sections, they could be very brief sections which merely reference existing standards, or they could be a combination of these approaches.
>
> The *non-technical* (program management) parts of the PAS should probably be divided into 5 to 8 major parts with each of these having a consistent theme. For example, PAS section A1, *Guidelines for Selecting a System* and A2 *Methods for Characterising Needs* might be combined to form a single document. The tentative break-up and consolidation of the 30-some parts would be discussed and decided in the joint session of the JCG.
>
> The 5 to 8 major parts will then assigned to JCG working groups of 2 to 4 people. If possible, the joint session will then adjourn and these mini-groups immediately convened to work on their respective part. These mini-groups would be organized with a mix of TC 88, TC 21 and TC 82 people. We could have about 24 experts in attendance, so the numbers should work out. Hopefully, this approach will allow the work on all PAS topics to be addressed in *parallel* during this meeting.
>
> The "full" JCG will have administrative review and organizational responsibility for all of the piece parts. Therefore, on the final day of the 3-day meeting schedule, the joint JCG should again convene to discuss any problems which have arisen, and to plan for future working methods (email, working group meetings, joint JCG meetings, etc.)

So, this verbalizes the planned agenda. You are invited to add, delete or otherwise revise this approach. A final agenda will then be prepared from these proposals. Please address such agenda topics to myself via email to jerand@twave.net. I will be traveling from November 1 – 15, but will respond promptly upon my return.

Sincerely,
Jerry Anderson
Secretary, IEC TC 82

A list of local hotels in the nearby area is as follows:

The Golden Hotel
800 11th St.
Golden, Colorado 80401
Phone: +1-303-279-0100
FAX: +1-303-279-9353
Website: www.golden-hotel.com

Table Mountain Inn
1310 Washington Ave.
Golden, Colorado 80401
Phone: +1-303-216-8000
FAX: +1-303-271-0298
Website: www.tablemountaininn.com (Web page is under construction, but will be finished by Dec.)

Holiday Inn
14707 Colfax Ave.
Golden, CO 80401
Phone: +1-303-279-7611
FAX: +1-303-278-1651
Website: www.holidayinnexpress.com

Marriott Denver West
1717 Denver West Blvd.
Golden, CO 80401
Phone: +1-303-279-9100
FAX: +1-303-271-0205
Website: www.marriott.com

Sheraton Denver West
26 Union Blvd.
Lakewood, CO 80228
Phone: +1-303-987-2000
FAX: +1-303-969-0263
Website: www.sheraton.com

Directions from Denver International Airport, DIA: If you rent a car, the route to the Golden Hotel is Pena' Boulevard south to I-70, turn right on I-70 west, continue through Denver to the foothills of the mountains to exit 265 (Golden/Central City exit) and onto Colorado Highway-58 (CO-58). Turn right on CO-58 and follow it west to Washington Ave. Turn left on Washington Ave and proceed approximately 4 blocks east to 11th Street. The hotel is on the corner of 11th and Washington Ave.

Shuttle Service If you wish to use the Shuttle to any of the hotels listed above, the Golden West Commuter Airport Service is suggested. They are located on Level 5 of the main terminal at DIA (where the rental cars are located). Golden West is located on the west side across from Alamo Car Rental. The Shuttle leaves the Airport every thirty Minutes and will bring you directly to hotel (of your choice). The cost is $20 one way/$36 round trip. You do not need a reservation for the shuttle when you arrive at DIA. However you must make a reservation for your return to pick-up. You can make your return reservation at the time of your arrival. The phone number for Golden Shuttle is (303) 342-9300.

If you have any questions, about the above hotel information or other such logistical issues, please contact call Kathy Shropshire – NREL, Administrative Assistant to the Distributed Power Program, and the National Center for PV. Phone: +1-303-384-6459, FAX +1-303-384-6490 or send an email to: kathy_shropshire@nrel.gov

JCG TC 82/TC 88/TC21/SC21A
Membership List

Convenor:

Mr. Richard DeBlasio
Chairman, IEC TC 82
National Renewable Energy Laboratory
1617 Cole Blvd.
Golden, Colorado
U.S.A.

Email: deblasid@tcplink.nrel.gov
Phone: 1 303 384 6452
FAX: 1 303 384 6490

Members:

Mr. Alain Schmitt *(Project Leader IEC 62111 PAS)*
EDF - DER, ERMEL-PEL
01, Avenue du General de Gaulle
BP 408
FR - 92141 CLAMART CEDEX
France

Email: alain.schmitt@edfgdf.fr
Phone: 33 1 47 65 34 29
FAX: 33 1 47 65 32 18

Mr. Andres Elias Feijóo Lorenzo
Departamento de Enxeñería Eléctrica-Universidade de Vigo
E. T. S. E. I. M.-Campus Universitario
36200 Vigo
España – Spain

Email: afeijoo@uvigo.es
Phone: +34 986 813 911
FAX: +34 986 812 173

Mr. Jorge Aguilera Tejero
Departamento de Electrónica de la Universidad de Jaén
Escuela Politécnica Superior
Avda. de Madrid, 35
23071 - Jaén
España - Spain

Email: aguilera@ujaen.es
Phone: +34 953.212 434
FAX: +34 953.212 623

Mr. Emilo Mera Diaz
BP Solarex Europe and Africa
C/ Isla del Hierro
5 28700 San Sebastian de los Reyes
Madrid –Spain

Email: emera@bp.com
Phone: +34 91 658 6561
FAX: +34 91 658 6566

Dr. Joseph Galdo
U.S. Department of Energy
1000 Independence Ave, SW
Washington, DC 20586
USA

Email : joseph.galdo@hq.doe.gov
Phone : +1 202 586 0518
FAX : +1 202 586 1640

Mr. Thomas Basso
NREL
1617 Cole Blvd.
Golden, Colorado 80401
USA

Email : thomas_basso@nrel.gov
Phone : +1 303-384-6765
FAX : +1 303-384-6790

Mr. Guido Clerici
Exide Europe
Societa Industriale Accumulatori
Direzione Stabitimento
Via Dante Alighieri
24058 Romano di Lombardia(BG)
Italy

Email : clericig@exide.it
Phone : 39 0363 999 476
FAX : 39 0363 999 451

Mr. Rolf Oldach
IT Power Ltd
The Warren, Bramshill Road
Eversley
GB - Hampshire RG27 OPR
England
United Kingdom

Email: ro@itpower.co.uk
Phone: 44 118 932 4411
FAX: 44 118 973 0820

Mr. Malcolm G B Wannell
Trinity House Lighthouse Service
Trinity House
East Cowes
Isle Of Wight
PO32 6RE
United Kingdom

Email: THCW@compuserve.com
Phone : + 01 983 203 400
Fax: + 01 983 203 456

Mr. Greg Leng
CANMET Energy Diversification Research Laboratory
Department of Natural Resources Canada
1615 Boul. Lionel-Boulet, Box 4800
Varennes, Québec
Canada J3X 1S6

Email : greg.leng@nrcan.gc.ca
Phone : +1 450 652 5154
Fax: +1 450 652 5177

Mr. Per Lundsager
RISO National Laboratory
Wind Energy and Atmospheric Physics Dept.
Building 762
P.O. Box 49
DK-4000 Roskilde
Denmark

Email : per.lundsager@risoe.dk
Phone : +45 4677 5045
FAX : +45 4677 5083

Mr. Pierre Lenain
Hawker Energy Storage
Oldham France S.A.
Z.1 Est – B.P. 962
62033 Arras
Cedex – France

Email : plenain@oldham-france.fr
Phone : +33 3 21 60 24 37
FAX : +33 3 21 60 25 74

Mr. Charles Streb
SAFT
156, avenue de Metz
93230 Romainville
France

Email : Charles.Streb@saft.alcatel.fr
Phone : +33 1 49 15 35 13
FAX : +33 1 49 15 36 90

Mr. Isak Venter
21 Charbury Road
Lynwood Manor 0081
South Africa

Email: isakv@aviation.denel.co.za
Phone: 27 11 927 4291
Phone: 27 82 925 3946
FAX: 27 11 927 2900

Mr. Jan Johnsson
Saft Nife AB
Box 709
SE - 572 28 Oskarshamn
Sweden

Email: jan.johnsson@alcatel.se
Phone: 46 491 68107
FAX: 46 491 68190

Mr. Peter Kremer
Siemens AG
Abt. A&D SE B 8.4
Postfach 23 55
90713 Fuerth
Germany

Email: peter.kremer@fthw.siemens.de
Phone: 49 911 750 4050
FAX: 49 911 750 2246

Mr. Masaaki Kameda,
Engineering Department
The Japan Electrical Manufacturers' Association
4-15, Nagata-cho 2-chome, Chiyoda-ku,
Tokyo 100-0014
Japan

Email: masaaki_kameda@jema-net.or.jp
Phone: 81 3 3581 4844
FAX: 81 3 3581 4864

Mr. Stephen Drouilhet
National Renewable Energy Laboratory
1617 Cole Blvd.
Golden, Colorado 80401
USA

Email : stephen_drouilhet@nrel.gov
Phone : 1 303 275 4650
FAX : 1 303 275 4611

Mr. Michael Behnke
TRACE INTERNATIONAL, S.L.
Edificio Diagonal 2A
Calle Constitución, 3, 4ª2ª
08960 Sant Just Desvern
Barcelona
Spain

Email: mbehnke@traceinternational.net
Phone : 34 93 470 53 30
FAX : 34 93 473 60 93

Mr. Guy Huard
EDF - DER, ERMEL-PEL
01, Avenue du General de Gaulle
BP 408
FR - 92141 CLAMART CEDEX
France

Email: guy.huard@edfgdf.fr
Phone: 33 1 47 65 49 66
FAX: 33 1 47 65 32 18

Mr. Philippe Jacquin
PHK Consultants
17 bis, rue Jean-Marie Vianney
69130 Ecully (Lyon)
France

Email: phkconsultants@compuserve.com
Phone: 33 4 78 33 36 14
FAX: 33 4 78 33 38 08

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

TECHNICAL COMMITTEE 82: SOLAR PHOTOVOLTAIC ENERGY SYSTEMS
TECHNICAL COMMITTEE 21: SECONDARY CELLS AND BATTERIES
TECHNICAL COMMITTEE 88: WIND TURBINE SYSTEMS

Creation of a Joint Coordination Group (JCG) between TC 82, TC 21 and TC 88 on "Decentralized Renewable Energy Systems (DRES)"

The officers of the above-mentioned technical committees decided at a recent meeting in Paris (2000-03-16/17) to convert the existing IEC PAS 62111 (1999) into a series of international standards (IS) and technical specifications (TS). This project is in accordance with the existing procedures for PAS documents (see AC/67/1999). In this context a Joint Coordination Group (JCG) is set up, the task of which is described in annex A.

This administrative circular informs national committees of the initiative taken at the Paris meeting and invites them to appoint experts willing to participate in the JCG.

The founding members of the JCG have been identified as follows:

1. Richard DeBlasio — Convenor, Chairman of TC 82
2. Alain Schmitt — Project Leader, TC 82 representative
3. Per Lundsager — TC 88 representative
4. Pierre Lenain — TC 21 representative

It is anticipated that the first meeting of the JCG will be held within one month of the appointment of experts and that three meetings per year will be scheduled thereafter. Electronic mail/ftp will be used to the maximum extent possible.

National committees are invited to communicate the names and full addresses of experts they wish to appoint to Central Office (votes@iec.ch), with copy to the TC 82 secretary, **by 2000-05-15 at the latest**. Furthermore, they are welcome to submit additional comments on this circular and on the task of the JCG.

Annex A: Proposed task of the Joint Coordination Group (JCG)
Annex B: Purpose of IEC PAS 62111 (1999)
Annex C: Structure of the document

Annex A

PROPOSED TASK OF THE JOINT COORDINATION GROUP (JCG)

A Joint Coordination Group (JCG) is to be set up with the task of preparing International standards and technical specifications on: Decentralized Renewable Energy Systems (DRES), based on the IEC PAS 62111.

The new document will consist of two parts:

Part A: deals with project oriented elements of DRES, which include guidelines for system selection, bid and contract, quality assurance, operation, maintenance and overall system classification.

Part B: deals with the technical elements of DRES and is the responsibility of individual technical committees.

The JCG has the responsibility of managing the activities of the different TC's in order to make an efficient use of existing documents. It also has the responsibility to maintain the consistency of the final document. The JCG has:

- to take into account the interest of the contributing Technical and National Committees,
- to define the technical performances required for the systems including safety and environment,
- to distribute the work to the relevant TC's.

Primarily the JCG is focusing on DRES in developing countries.

ANNEX B

PURPOSE OF IEC PAS 62111

Decentralized Rural Electrification (DRE) projects are now being implemented particularly in developing countries. At this moment, there are no available guidelines to be used as a reference in assessing the quality of the service to the end users.

This document intends to be used by the project supervisor and, in general, all those responsible for establishing calls for tender.

It is also intended for project contractor, project planners, renewable energies, agencies in developing countries, services companies, companies involved in the electrification of villages, etc. Constructors, installers, operators and maintenance contractors will also find proposed product specifications, recommendations for the design and installation of systems, practical guidelines for operating and maintaining the installations in this document.

The aim is to provide a guide taking into account all the steps leading to a successful DRE, that means a viable and sustainable DRE, for a cost matching the willingness to pay of the end user.

The content of the document will be a resource for the identification of energy requirements, and also of products which are technically best suited within the economic context.

The following phases of a DRE project are addressed:

- selecting a renewable energy system suited to the installation site (adapting the solution to the needs),
- specifying a system for a pre-determined site (architecture, components, energy management, protection, etc.),
- preparing operation and maintenance of a renewable energy system

The up to date version of the current IEC PAS 62111 is divided into three major sections:

Part A: From Energy Requirements to Electrification System,

Part B: Guidelines for Distribution Sub-System Design,

Part C: Technical Specifications of Components and Products,

Annex C provides a brief summary of each of the sections.

ANNEX C

STRUCTURE OF THE DOCUMENT

Part	Chapter	Additive	Title
A			**From Energy Requirements to Electrification System**
	A1		From the Requirements to be met to the Proposals for a Range of Electrification Systems
	A1	*ex D2*	*Guidelines for Selecting a System*
	A2 ex D1		*Methods for Characterising Needs*
	A3 ex A2		Results expected from the Process of System Design
	A4 ex A3		Contractual Framework governing the Relationships Involved
	A5 ex A4		Quality Assurance for Project Design and Implementation
B			**Guidelines for System Design and Operation**
	B1		Architecture of Electrification Systems
	B2		Guidelines for Production Sub-System Design
	B2	*ex D3*	*Typical Functional Description of a Private Electrification System*
	B2	*ex D4*	*Typical Functional Description of a Public Service Electrification System : Micropower Stations*
	B3		Guidelines for Distribution Sub-System Design
	B3	*ex D5*	*Typical Functional Description of a Public Electrification System : Microgrids*
	B4		Energy Management Guidelines
	B5		Guidelines for Data Acquisition
	B6		Guidelines for the Protection of Persons and Property from Electrical Hazards
	B7		Guidelines for Operation, Maintenance and Renewal
	B8 ex C8		Climatic and Environmental Testing
	B9	*New*	Recycling, Environment Protection
C			**Technical Specifications of Components and Products**
	C1		Photovoltaic Array
	C2		Building-integration of Photovoltaic Arrays
	C3		Wind Generator
	C4		Electrogenerator Set
	C5		Battery
	C6		Converter
	C7		Energy Management
	C8 ex E3	*New*	Customer Interface
	C9	*New*	Micropower Stations
	C10	*New*	Microgrids
	C11	*New*	Domestics Installations
	C12 ex E1	*New*	IES 1 light point
	C13 ex E2	*New*	IES several light points
	C14	*New*	Hydraulics Micropower Stations